

CLAIMS

Sub C1

1. A gene encoding a protein having an activity of transferring a glycosyl group to aurones.

5 2. The gene according to claim 1 encoding a protein that has an amino acid sequence as set forth in SEQ ID NO: 2, 8, and 10, and that has an activity of transferring a glycosyl group to aurones.

10 3. The gene according to claim 1 encoding a protein that has an amino acid sequence modified by the addition, deletion and/or substitution with other amino acids of one or a plurality of amino acids in the amino acid sequence as set forth in SEQ ID NO: 2, 8, or 10, and that has an activity of transferring a glycosyl group to aurones.

15 4. The gene according to claim 1 that hybridizes to a nucleic acid having a nucleotide sequence encoding an amino acid sequence as set forth in SEQ ID NO: 2, 8, or 10 or a portion thereof under a stringent condition, and that encodes a protein having an activity of transferring a glycosyl group to aurones.

20 5. A vector comprising a gene according to any one of the claims 1 to 4.

25 6. A host transformed with a vector according to claim 5.

7. A protein encoded by a gene according to any one of the claims 1 to 4.

30 8. A method of producing a protein having an activity of transferring a glycosyl group to aurones, said method comprising culturing, cultivating, or breeding a host according to claim 6 and recovering said protein from said host.

35 9. A plant into which a gene according to any one of the claims 1 to 4 has been introduced, and a progeny and a tissue thereof having the same property as said plant.

35 10. A cut flower of the plant according to claim 9, or a progeny thereof having the same property as said

Sub C2

Sub C3

~~plant.~~

11. A method of stabilizing aurones which method comprises allowing the protein according to claim 7 to act on aurones thereby to transfer a glycosyl group to aurones.

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12. A method of stabilizing aurones in the plant body which method comprises introducing the gene according to any one of the claims 1-4 into the plant body, allowing said gene to be expressed, and using the protein produced therein to transfer a glycosyl group to aurones in the plant body.

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add
C4

and the other two were in the same condition. The other two were in the same condition.